

Coordinating Water/Wastewater Infrastructure Funding: Overview of State Practices

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Acknowledgements

- NC Rural Center
- Appalachian Regional Commission
- Environmental Protection Agency
- Representatives from other state coordinating efforts

General Coordination Objectives

- Improved applicant customer service (utilities)
- Support funding program efforts and operations (funders)
- Stretch public funding dollars (citizens)

EFC Funding Coordination Study (Spring 2006)

- Twenty-five individual interviews and one four-person focus group
- Respondent Groups
 - Funding Agencies
 - Regulatory Agencies
 - State/Regional Planning Organizations
 - Local Governments
 - Technical Assistance Providers

**Funding Provided by NC Rural Center

Funding Coordination Study: Preferred Coordination Services

SERVICE OFFERED	% STRONGLY AGREE OR AGREE
Needs Database	91%
Summary of Eligibility Requirements	91%
Conferences, Workshops, or Fairs	83%
Planning Assistance for Communities	82%
Long-term State-level Planning	78%
Regionalization	61%
Central Information Repository	59%
Single Uniform Application	52%
Recommend Specific Projects	17%

Structural Differences Among State Coordination Models

- Enabling documents
- Institutional framework and “glue”
- Membership/participation
- Meetings
- Organization of work efforts/staffing

Funding Coordination Practices

Common

- Structured
- Committed participants
- USDA participation
- Strong leadership
- Focus on a few services

Uncommon

- Require funders to fund projects contrary to their funding objectives
- Significant staff resources
- Comprehensive
- Resemble neighboring states

Examples

- Water Resource Information System (KY)
- Coordination Application Process (WV)
- Funding forums (GA, NC)
- Statewide Infrastructure Planning

Water Resources Information System

The screenshot shows the web interface of the Kentucky Infrastructure Authority's Water Resource Information System (WRIS). The browser's address bar displays "Kentucky: Infrastructure Authority - Ov...". The website's header includes the "Kentucky.gov" logo, navigation links for "KY Agencies" and "KY Services", a search bar, and a "Go" button. Below the header is a banner featuring the Kentucky state seal and the text "Kentucky Infrastructure Authority", accompanied by images of water infrastructure. A secondary navigation bar lists links: "Home", "Site Map", "Documents", "KIA Board", "KIA Staff", and "KIA > WRIS > Overview".

The main content area is titled "Water Resource Information System" and includes a sub-header "What is the WRIS?". A left sidebar contains a "Kentucky Infrastructure Authority Office of the Governor" logo and a menu with the following items: "About Us", "Loan Programs", "WRIS", "Internet Mapping", "Geospatial Data", "WRIS Portal", "Water Management Planners", and "ADD GIS Staff".

The "Introduction" section describes the WRIS as a system developed through cooperative efforts of water and wastewater treatment systems and local, regional, and state agencies. It provides information for all aspects of water resource planning, from watershed protection to infrastructure development. The system includes a geographic information system (GIS) and information on water resources, drinking water systems, wastewater treatment systems, project development, emergency response, regulations, and planning. The text further explains that the WRIS is comprised of strategic plans, water resource maps and publications, systems management information, reporting and regulatory requirements, guidance and training documents, procedural guidance and forms for project implementation and funding, and internet links to support services. Interactive maps in the system support planning and regionalization efforts. The GIS contains data for water and wastewater treatment facilities, water lines, water sources, storage facilities, sewer lines, and a database of non-spatial systems information. The GIS provides the fundamental data needed for the planning and emergency response activities. Using the GIS infrastructure data in computer models allows for cost-effective analysis of engineering alternatives, and facilitates the efficiencies needed to meet the needs of Kentucky's infrastructure development.

On the right side of the page, there is a "Contact Person" section for Rusty Anderson, with a phone number "502-573-0260 x239" and an "Email" link. Below this is a "Resources" section with links to "WRIS GIS Standards (PDF - 847KB)", "WRIS Map Gallery", "WRDC Water Plans", and "WRDC Sewer Plans". At the bottom right, there is a small graphic of a map of Kentucky with a magnifying glass over it, labeled "Member of the Kentucky...".

Water Resources Information System

EFC | Contact Us x :: Project Profiles :: x SUBMITTED Form: K... x

← → ↻ 🏠 ☆ http://wris.ky.gov/wmpApp/watprofile.aspx?id=bgadd

BB The Bond Buyer:... 📁 zipline 📁 DOE Oak Ridge -... 📁 UNC School of G... 🌐 The Environmen... 📈 Mortgage Rate R... 📁 dry erase boards

Water Project Profiles For BGADD								
WRIS	Project Title	Total Cost Of Project	Households	Schedule	County	ADDNAME		
WX21005002	South Anderson Phase VI Expansions	\$3,250,000	365	0-2	Anderson	BGADD	MAP	
WX21005004	South Anderson Phase VII Expansions	\$2,345,000	225	0-2	Anderson	BGADD	MAP	
WX21005006	Lawrenceburg Center Street Tank Replacement	\$1,000,000	4000	0-2	Anderson	BGADD	MAP	
WX21017005	City of North Middletown Waterline Replacement Project	\$200,000	0	0-2	Bourbon	BGADD	MAP	
WX21017006	Paris-Bourbon Co. Industrial Park Water Expansion	\$245,390	0	0-2	Bourbon	BGADD	MAP	
WX21017007	City of Paris - U.S. 68 Bypass Water Transmission Main Extension	\$220,000	4700	0-2	Bourbon	BGADD	MAP	
WX21017008	City of North Middleton Waterline Replacement; EPA Matching Funds	\$166,667	0	0-2	Bourbon	BGADD	MAP	
WX21017009	Bourbon County Fiscal Court--Fire Hydrant Project	\$76,500	0	0-2	Bourbon	BGADD	MAP	
WX21017010	CITY OF PARIS WTP TELEMETRY UPGRADE	\$80,000	0	0-2	Bourbon	BGADD	MAP	
WX21017013	City of Paris Filter Rehabilitation at water plant	\$125,000	0	0-2	Bourbon	BGADD	MAP	
WX21017014	City of Paris water valve replacement Phase I	\$500,000	0	3-11	Bourbon	BGADD	MAP	
WX21017015	City of Paris Creekbank stabilization project at water plant intake	\$40,000	0	3-11	Bourbon	BGADD	MAP	
WX21017016	City of Paris renovation of By-Pass 1 MG elevated tank	\$400,000	0	3-11	Bourbon	BGADD	MAP	
WX21017011	City of Paris AMR System upgrade (Automatic meter read) project	\$100,000	0	3-11	Bourbon	BGADD	MAP	
WX21017012	City of Paris Creek crossing pipe replacement under Houston and Stoner Creeks.	\$60,000	0	3-11	Bourbon	BGADD	MAP	
WX21021002	Danville WTP Disinfection Byproducts Project Ph II	\$1,500,000	6700	0-2	Boyle	BGADD	MAP	

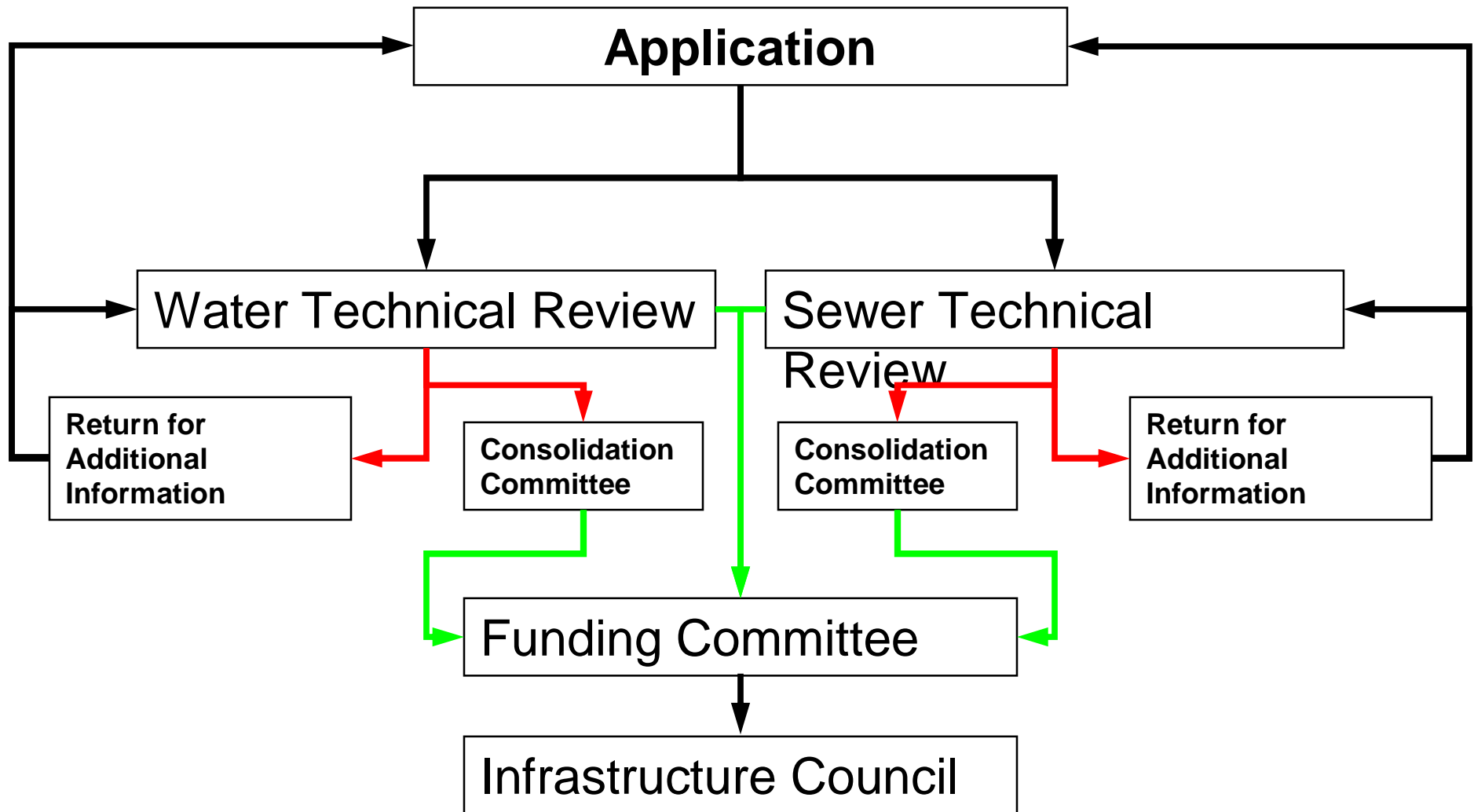
Water Resources Information System

- Current infrastructure
- Proposed infrastructure
- System information (interconnections, fiscal)
- Uniform project numbers
- Applicants required to have projects in systems
- Linked to other information systems

Water Resources Information System

- Coordinated and funded by Kentucky Infrastructure Authority (2 to 3 dedicated employees)
- Systems surveyed/visited two times per year by regional planning organizations (Area Development Districts) (annual contracts total approximately \$1.4 M)
- Funded by mix of appropriations and loan fees

WV Infrastructure and Jobs Development Council: Application Review Process



Outreach Services (GA, NC)

- Funding Roundtables
- Funding Forums
- Funding Fairs

Statewide Infrastructure Planning

- Many needs assessments
- Few funding plans
- Inventories with proposed funding sources (WV)

Additional Resources

- UNC EFC Funding Coordination Resource Page
(<http://www.efc.unc.edu/projects/infrastructurecoordination.htm>)
- EPA Handbook of Coordinating Water and Wastewater Funding
(http://www.epa.gov/ogwdw000/dwsrf/pdfs/guide_dwsrf_funding_infrastructure.pdf)